

# Literature Research for Mechanical Engineering

RESOURCES FOR CMU/CU-BOULDER MECHANICAL ENGINEERING  
STUDENTS

# Find articles, books, standards & more

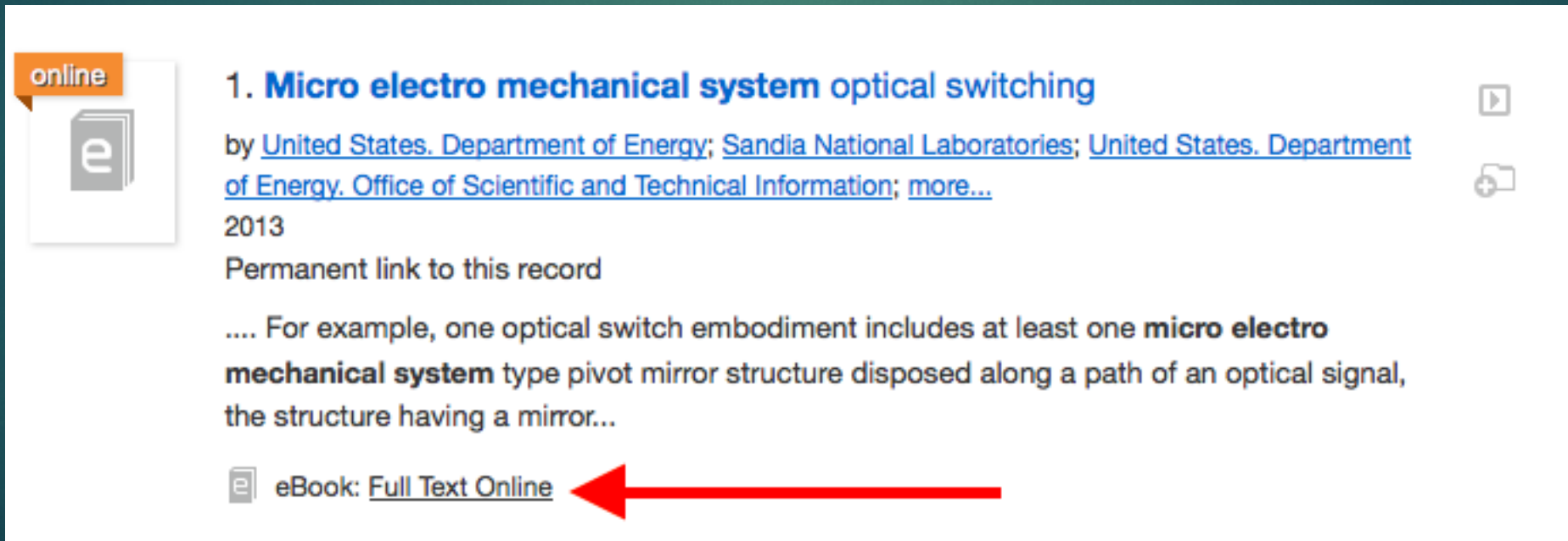
- ▶ Libraries web site: <http://www.colorado.edu/libraries/>
- ▶ Engineering Subject Guide: <http://libguides.colorado.edu/eng>

# Options to access online resources from anywhere

- ▶ Proxy access
  - ▶ Access electronic resources from links on the library web site
  - ▶ When prompted, log in with your identikey and password
- ▶ VPN
  - ▶ Install Cisco AnyConnect
  - ▶ Open and log in to access links opened from anywhere
  - ▶ More info: <http://www.colorado.edu/libraries/services/campus-access>

# Finding books & articles

- ▶ Search for books, journals and articles in OneSearch:  
<http://ucblibraries.summon.serialsolutions.com/>
  - ▶ Follow the “Full text online” links to get ebooks & articles.



The screenshot shows a search result for a document titled "1. Micro electro mechanical system optical switching". The document is by the United States Department of Energy, Sandia National Laboratories, and the Office of Scientific and Technical Information. It is from 2013. The snippet of the document's text reads: "... For example, one optical switch embodiment includes at least one **micro electro mechanical system** type pivot mirror structure disposed along a path of an optical signal, the structure having a mirror...". At the bottom of the result, there is a link labeled "eBook: Full Text Online" with a red arrow pointing to it. To the left of the title is a small icon of a book with an 'e' on it, and above it is a small orange box with the word "online". To the right of the title and author information are two small icons: a play button and a folder with a plus sign.

online

**1. Micro electro mechanical system optical switching**

by [United States. Department of Energy](#); [Sandia National Laboratories](#); [United States. Department of Energy. Office of Scientific and Technical Information](#); [more...](#)

2013

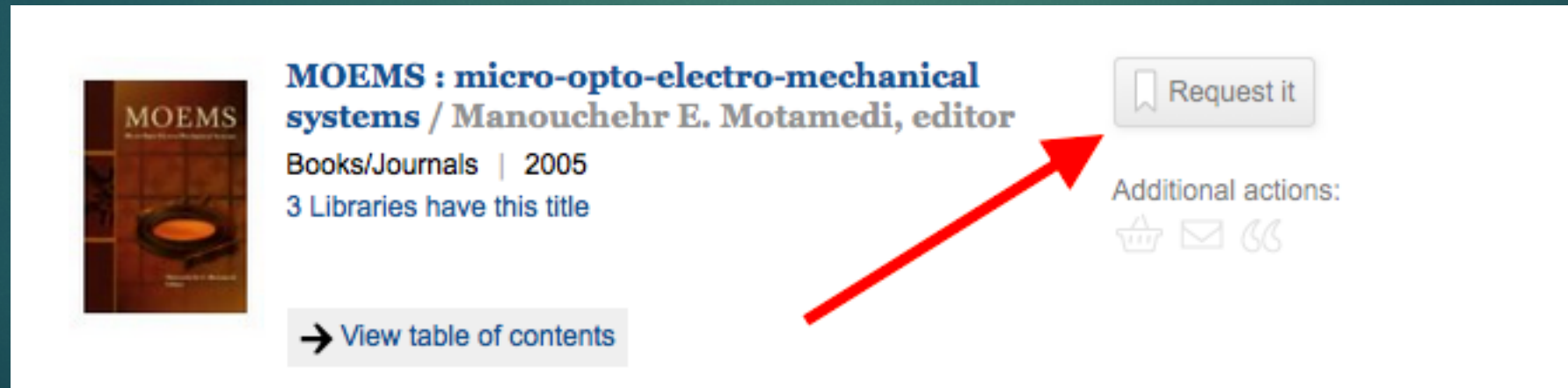
Permanent link to this record

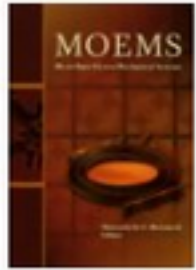
.... For example, one optical switch embodiment includes at least one **micro electro mechanical system** type pivot mirror structure disposed along a path of an optical signal, the structure having a mirror...

eBook: [Full Text Online](#)

# Request books for delivery from CU




- ▶ Request books for delivery to CMU from Prospector:  
<http://encore.coalliance.org/iii/encore/?lang=eng>
- ▶ Choose "Alliance – Colorado Mesa University" from the list
- ▶ Enter your info, and in 3-5 days the book will be ready for you to pickup!



 **MOEMS : micro-opto-electro-mechanical systems** / Manouchehr E. Motamedi, editor  
Books/Journals | 2005  
3 Libraries have this title

→ View table of contents

Request it

Additional actions:  
  

A red arrow points from the bottom center towards the 'Request it' button.

# Request print articles for delivery from CU

- ▶ This is unlikely to happen!
- ▶ But if it does, request a scanned copy of a print article from CU:  
<http://www.colorado.edu/libraries/libraries/engineering-math-physics-library/materials-requests-colorado-mesa-university-and-cu>

• Using the form provided below to request an article. Response time may vary, but is usually less than 24 hours on weekdays.

**Name**

**Email Address**

**Article Title**

**Author(s)**

**Journal Title**

**Volume**

# Getting started & finding properties

- ▶ Find Articles & Databases>Engineering>Mechanical Engineering
  - ▶ [http://libraries.colorado.edu/search/j?SEARCH=Mechanical Engineering](http://libraries.colorado.edu/search/j?SEARCH=Mechanical+Engineering)
  - ▶ EngNETbase
  - ▶ Great source for handbooks
  - ▶ [http://0-www.crcnetbase.com.libraries.colorado.edu/page/engineering\\_ebooks](http://0-www.crcnetbase.com.libraries.colorado.edu/page/engineering_ebooks)
- ▶ Knovel
  - ▶ Good source for handbooks, lots of data that can be plugged in to Excel
  - ▶ <http://0-app.knovel.com.libraries.colorado.edu/web/>

# Finding Standards

- ▶ ASTM standards and engineering digital library
  - ▶ <http://bit.ly/CUASTM>
  - ▶ Don't see what you need? Email us.
  - ▶ We might have it, or we can purchase on demand!
  - ▶ Email [gemmill@Colorado.edu](mailto:gemmill@Colorado.edu) to request a standard.



# Finding scholarly articles

- ▶ Engineering Village
  - ▶ Key subject database for engineering
  - ▶ Consists of a search of Compendex and Inspect
  - ▶ <http://0-www.engineeringvillage.com/libraries.colorado.edu/controller/servlet/Controller?CID=quickSearch&database=Combined>
- ▶ Web of Science
  - ▶ Helps you find the top tier of journal literature
  - ▶ Covers all disciplines, not just engineering
  - ▶ Good place to start
  - ▶ <http://0-apps.webofknowledge.com/libraries.colorado.edu>

# Staying organized

- ▶ Managing your citations and PDFs can be a challenge during research. Keep track of your resources with Zotero or Mendeley.
  - ▶ Zotero is a very user-friendly open source management tool
    - ▶ Get started at <https://www.zotero.org/>
  - ▶ Mendeley is a free tool that works well with PDF management.
    - ▶ Get started at <https://www.mendeley.com/>

**Email, phone or IM for more help with these tools!**

# Ask a Question

- ▶ Email [gemmill@Colorado.edu](mailto:gemmill@Colorado.edu)
  - ▶ We'll get your question to the person best able to handle it ASAP
- ▶ Email [Rebecca.Kuglitsch@Colorado.edu](mailto:Rebecca.Kuglitsch@Colorado.edu)
  - ▶ Research help
  - ▶ To request a book purchase
- ▶ Ask for instant help via IM:
  - ▶ <http://www.colorado.edu/libraries/ask-librarian>